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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO
10/535,588	12/12/2005	Tejal Ashwin Desai	140-05	7541
23713 7590 07/18/2007 GREENLEE WINNER AND SULLIVAN P C 4875 PEARL EAST CIRCLE			EXAMINER	
			KOSAR, AARON J	
SUITE 200 BOULDER, CO	O 80301		ART UNIT	PAPER NUMBER
			1651	
			MAIL DATE	DELIVERY MODE
	-		07/18/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

	· A	pplication No.	Applicant(s)			
	1	0/535,588	DESAI ET AL.			
Office Action Summa	ry E	xaminer	Art Unit			
	A	aron J. Kosar	1651			
The MAILING DATE of this co Period for Reply	mmunication appear	s on the cover sheet with the c	orrespondence address			
A SHORTENED STATUTORY PER WHICHEVER IS LONGER, FROM 7 - Extensions of time may be available under the pr after SIX (6) MONTHS from the mailing date of the state	THE MAILING DATE ovisions of 37 CFR 1.136(a) is communication. imum statutory period will a for reply will, by statute, cau nonths after the mailing date	E OF THIS COMMUNICATION In no event, however, may a reply be time pply and will expire SIX (6) MONTHS from the settle application to become ABANDONED	I. lety filed the mailing date of this communication. O (35 U.S.C. § 133).			
Status	·					
1) Responsive to communication	(s) filed on 24 May	<u>2006</u> .				
2a)☐ This action is FINAL .	This action is FINAL . 2b)⊠ This action is non-final.					
• • •	•••					
closed in accordance with the	practice under Ex p	parte Quayle, 1935 C.D. 11, 45	3 O.G. 213.			
Disposition of Claims			٠			
4) ⊠ Claim(s) <u>1-20 and 26-28</u> is/are 4a) Of the above claim(s) 5) □ Claim(s) is/are allowed 6) □ Claim(s) is/are rejected 7) □ Claim(s) is/are objected 8) ⊠ Claim(s) <u>1-20 and 26-28</u> are s	_ is/are withdrawn i	from consideration.				
Application Papers						
9) The specification is objected to 10) The drawing(s) filed on Applicant may not request that ar Replacement drawing sheet(s) in 11) The oath or declaration is obje	is/are: a) ☐ acceptory objection to the draw	wing(s) be held in abeyance. See is required if the drawing(s) is obj	e 37 CFR 1.85(a). ected to. See 37 CFR 1.121(d).			
Priority under 35 U.S.C. § 119		•				
12) Acknowledgment is made of a a) All b) Some * c) None 1. Certified copies of the p	e of: riority documents he riority documents he opies of the priority ernational Bureau (F	ave been received. ave been received in Applicati documents have been receive PCT Rule 17.2(a)).	on No ed in this National Stage			
Attachment(s)						
Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Re Information Disclosure Statement(s) (PTO/Paper No(s)/Mail Date		4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:	ate			

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DETAILED ACTION

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

Group I, claim(s) 1-7 are drawn to a multilayer microculture.

Group II, claim(s) 8-17 are drawn to a method of making a multilayer microculture.

Group III, claim(s) 20,26-28 are drawn to a method using the multilayer microculture to screen modulators of tissue development.

The inventions listed as Groups I-III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons:

According to PCT Rule 13.2, unity of invention exists only when the *shared* (or corresponding) technical feature is a contribution over the prior art. The inventions listed as Groups I-III do not relate to a single general inventive concept because they lack the same or corresponding *special* technical feature. The shared technical feature of Groups I-III is a microculture comprising a plurality of layers having at least one cell type and a biopolymer, which is shown by SINGVI (Singvi, et al. USPatent No. 5,766,748) to lack a *special* technical feature and does not make a contribution over the prior art. In particular, Singvi teaches a coated glass plate microculture comprising: a multilayer (multiple monolayer islands); a cell (hepatocyte); and a biopolymer (col.9,¶1;col.10,¶3; col.23,Ex.5). Thus the restriction among the

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different modes of invention (composition, method of making, and method of using) is deemed proper.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Aaron J. Kosar whose telephone number is (571) 270-3054. The examiner can normally be reached on Monday-Thursday, 7:30AM-5:00PM, ALT. Friday, EST.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Mike Wityshyn can be reached on (571) 272-0926. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SANDRA E, SAUCIER

Aaron Kosar Examiner Art Unit 1651